EAST Search History

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L1	2829	pvc.clm.	US-PGPUB	OR	ON	2007/06/11 11:35
L2	0	"svc.clm"	US-PGPUB	OR	ON	2007/06/11 11:35
L3	93	svc.clm.	US-PGPUB	OR	ON	2007/06/11 11:35
L4	14	1 and 3	US-PGPUB	OR	ON	2007/06/11 11:36
L5	2342	709/227-228.ccls.	US-PGPUB	OR	ON	2007/06/11 11:36
L6	54	370/353.ccls.	US-PGPUB	OR	ON	2007/06/11 11:36
L7	193	370/431.ccls.	US-PGPUB	OR	ON	2007/06/11 11:36
L8	5420	709/227-228.ccls.	US-PGPUB; USPAT	OR	ON	2007/06/11 11:36
L9	354	370/353.ccls.	US-PGPUB; USPAT	OR	ON	2007/06/11 11:36
L10	491	370/431.ccls.	US-PGPUB; USPAT	OR	ON	2007/06/11 11:36
L11	6243	8 9 10	US-PGPUB; USPAT	OR	ON	2007/06/11 11:36
L12	1140	pvc and svc	US-PGPUB; USPAT	OR	ON	2007/06/11 11:36
L13	38	11 and 12	US-PGPUB; USPAT	OR	ON	2007/06/11 11:37
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1 Design of a high-performance ATM firewall   ■
Jun Xu, Mukesh Singhal
August 1999 **ACM Transactions on Information and System Security (TISSEC)**, Volume 2
          Issue 3
Publisher: ACM Press
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> A router-based packet-filtering firewall is an effective way of protecting an enterprise
> network from unauthorized access. However, it will not work efficiently in an ATM network
> because it requires the termination of end-to-end ATM connections at a packet-filtering
> router, which incurs huge overhead of SAR (Segmentation and Reassembly). Very few
> approaches to this problem have been proposed in the literature, and none is completely
> satisfactory. In this paper we present the hardware desig ...
>
> **Keywords**: TCP/IP, asynchronous transfer mode, firewall, packet filtering, switch
> architecture

2 Design of a high-performance ATM firewall   ■
Jun Xu, Mukesh Singhal
November 1998 **Proceedings of the 5th ACM conference on Computer and
                    communications security CCS '98**
Publisher: ACM Press
Full text available: 🔖 pdf(1.27 MB)   Additional Information: full citation, references, index terms

3 Traffic descriptor mapping and traffic control for frame relay over ATM network   ▬
Sudhir S. Dixit, Sharad Kumar
February 1998 **IEEE/ACM Transactions on Networking (TON)**, Volume 6 Issue 1
Publisher: IEEE Press
Full text available: 🔖 pdf(345.04 KB)   Additional Information: full citation, references, index terms

> **Keywords**: ATM, cell relay, frame relay, quality of service, traffic management

4   IP switching—ATM under IP
Peter Newman, Greg Minshall, Thomas L. Lyon
April 1998 **IEEE/ACM Transactions on Networking (TON)**, Volume 6 Issue 2
Publisher: IEEE Press
Full text available: pdf(154.32 KB)   Additional Information: full citation, references, citings, index terms

        Keywords: Internet protocol, asynchronous transfer mode, broadband communication, communication system control, data communication, packet switching, protocols

5   A restructuring of X25 into HDLC
Louis Pouzin
January 1977 **ACM SIGCOMM Computer Communication Review**, Volume 7 Issue 1
Publisher: ACM Press
Full text available: pdf(787.97 KB)   Additional Information: full citation, abstract, references

        A major achievement of the standardization process has been the definition of a universal circuit interface (X21 or X21 bis) together with a universal transmission procedure (HDLC). This allows a large degree of compatibility between terminal equipments, regardless of configuration or communication media.

        X25 departs from this approach as it requires specialized DTE's that could no longer operate in conjunction with other simple DTE's using an HDLC interface. DTE's and procedures opera ...

6   Integration of circuit and packet switched transport in a 3RD generation mobile network
Andrea Calvi, Francisco Cano Hila
October 1998 **Proceedings of the 4th annual ACM/IEEE international conference on Mobile computing and networking MobiCom '98**
Publisher: ACM Press
Full text available: pdf(1.18 MB)   Additional Information: full citation, references, index terms

7   A high fidelity ATM traffic and network simulator
Brian W. Unger, Fabian Gomes, Xiao Zhonge, Pawel Gburzynski, Theodore Ono-Tesfaye, Srinivasan Ramaswamy, Carey Williamson, Alan Covington
December 1995 **Proceedings of the 27th conference on Winter simulation WSC '95**
Publisher: ACM Press, IEEE Computer Society
Full text available: pdf(889.74 KB)   Additional Information: full citation, abstract, references, citings, index terms

        The design of an ATM traffic and network (ATM-TN) simulator which characterizes cell level network behavior is presented. The simulator incorporates three classes of ATM traffic source models: an aggregate ethernet model, an MPEG model and a World Wide Webb transactions model. Six classes of ATM switch architectures are modeled including output buffered, shared memory buffered and cross bar switch models, and then multistage switches which can be built from these three basic models. The ATM-TN s ...

8   An empirical study of TCP–IP performance over FR–ATM service interworking
Isil Sebüktekin
December 1998 **International Journal of Network Management**, Volume 8 Issue 6
Publisher: John Wiley & Sons, Inc.

Full text available: pdf(215.57 KB)   Additional Information: full citation, abstract, references, index terms

> This article outlines some basic performance characteristics of the Transmission Control Protocol–Internet Protocol (TCP–IP) over Frame Relay–Asynchronous Transfer Mode (FR-ATM) Service Interworking. The cconclusions are based on empirical TCP/IP performance test results collected on a FR"ATM Service Interworking testbed, architected with commercially available IP, FR, and ATM equipment. © 1998 John Wiley & Sons, Ltd.

9 Configuring ATM Networks

Wayne J. Salamon
February 1999 **Linux Journal**

Publisher: Specialized Systems Consultants, Inc.

Full text available: html(23.41 KB)   Additional Information: full citation, abstract, references, index terms

> This article describes how to configure Linux-based PCs and an asynchronous transfer mode (ATM) switch to build on ATM network

·10 Location management methods of migratory data resources in ATM networks

Takahiro Hara, Kaname Harumoto, Masahiko Tsukamoto, Shojiro Nishio
April 1997 **Proceedings of the 1997 ACM symposium on Applied computing SAC '97**

Publisher: ACM Press

Full text available: pdf(785.55 KB)   Additional Information: full citation, references, citings, index terms

Keywords: ATM, location management, resource migration

11 Notable abbreviations in telecommunications

Hans W. Barz
April 1989 **ACM SIGCOMM Computer Communication Review**, Volume 19 Issue 2

Publisher: ACM Press

Full text available: pdf(1.53 MB)   Additional Information: full citation, abstract, index terms

> Two years ago I already published the first version of abbreviations - see [1]. Compared to the first edition the number of abbreviations has doubled.

12 On-line routing of virtual circuits with applications to load balancing and machine scheduling

James Aspnes, Yossi Azar, Amos Fiat, Serge Plotkin, Orli Waarts
May 1997 **Journal of the ACM (JACM)**, Volume 44 Issue 3

Publisher: ACM Press

Full text available: pdf(380.99 KB)   Additional Information: full citation, abstract, references, citings, index terms, review

> In this paper we study the problem of on-line allocation of routes to virtual circuits (both point-to-point and multicast) where the goal is to route all requests while minimizing the required bandwidth. We concentrate on the case of Permanent virtual circuits (i.e., once a circuit is established it exists forever), and describe an algorithm that achieves on O (log n) competitive ratio with respect to maxi ...

Keywords: high-speed networks, on-line algorithms, optimization, routing

13 Notable abbreviations in telecommunications

H W Barz
January 1987 **ACM SIGCOMM Computer Communication Review,** Volume 17 Issue 1-2
Publisher: ACM Press
Full text available: pdf(423.33 KB)   Additional Information: full citation, index terms

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